



PTO/SB/08a (03-09)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 6

Complete if Known

Application Number	10/633,937
Filing Date	08/04/2003
First Named Inventor	Johnson, Jack J.
Art Unit	3628
Examiner Name	Borissov, Igor N.
Attorney Docket Number	-----

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 7,478,070	01-13-2009	Fukui, et al.	
	2	US- 7,343,360	03-11-2008	Ristanovic, et al.	
	3	US- 7,249,085	07-24-2007	Kinney, Jr., et al.	
	4	US- 7,085,739	08-01-2006	Winter, et al.	
	5	US- 7,010,511	03-07-2006	Kinney, Jr., et al.	
	6	US- 6,915,185	07-05-2005	Yamamoto	
	7	US- 6,871,191	03-22-2005	Kinney, Jr., et al.	
	8	US- 6,862,580	03-01-2005	Ford	
	9	US- 6,850,907	02-01-2005	Lutnick, et al.	
	10	US- 6,785,592	08-31-2004	Smith, et al.	
	11	US- 6,718,312	04-06-2004	McAfee, et al.	
	12	US- 6,647,373	11-11-2003	Carlton-Foss	
	13	US- 6,618,709	09-09-2003	Sneeringer	
	14	US- 6,564,192	05-13-2003	Kinney, Jr., et al.	
	15	US- 6,529,839	03-04-2003	Uggerud, et al.	
	16	US- 6,493,683	12-10-2002	David, et al.	
	17	US- 6,473,744	10-29-2002	Tuck, et al.	
	18	US- 6,415,270	07-02-2002	Rackson	
	19	US- 6,408,283	06-18-2002	Alaia, et al.	

FOREIGN PATENT DOCUMENTS

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	20	US- 6,396,839	05-28-2002	Ardalan, et al.	
	21	US- 6,343,277	01-29-2002	Gaus, et al.	
	22	US- 6,321,212	11-20-2001	Lange	
	23	US- 6,285,989	09-04-2001	Shoham	
	24	US- 6,269,157	07-31-2001	Coyle	
	25	US- 6,230,146	05-08-2001	Alaia, et al.	
	26	US- 6,167,124	12-26-2000	Johnson, et al.	
	27	US- 6,161,099	12-12-2000	Harrington, et al.	
	28	US- 6,151,589	11-21-2000	Aggarwal, et al.	
	29	US- 6,144,727	11-07-2000	Mashinsky	
	30	US- 6,134,534	10-17-2000	Walker, et al.	
	31	US- 6,122,603	09-19-2000	Budike, Jr.	
	32	US- 6,115,698	09-05-2000	Tuck, et al.	
	33	US- 6,108,639	08-22-2000	Walker, et al.	
	34	US- 6,098,051	08-01-2000	Lupien, et al.	
	35	US- 6,085,169	07-04-2000	Walker, et al.	
	36	US- 6,044,363	03-28-2000	Mori, et al.	
	37	US- 6,023,686	02-08-2000	Brown	
	38	US- 6,021,402	02-01-2000	Takriti	

FOREIGN PATENT DOCUMENTS

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	39	US- 6,021,398	02-01-2000	Ausubel	
	40	US- 6,005,926	12-21-1999	Mashinsky	
	41	US- 6,005,925	12-21-1999	Johnson, et al.	
	42	US- 5,974,403	10-26-1999	Takriti, et al.	
	43	US- 5,950,178	09-07-1999	Borgato	
	44	US- 5,924,082	07-13-1999	Silverman, et al.	
	45	US- 5,905,974	05-18-1999	Fraser, et al.	
	46	US- 5,897,607	04-27-1999	Jenney, et al.	
	47	US- 5,890,138	03-30-1999	Godin, et al.	
	48	US- 5,873,251	02-23-1999	Iino	
	49	US- 5,873,071	02-16-1999	Ferstenberg, et al.	
	50	US- 5,845,266	12-01-1998	Lupien, et al.	
	51	US- 5,832,457	11-03-1998	O'Brien, et al.	
	52	US- 5,818,914	10-06-1998	Fujisaki	
	53	US- 5,818,725	10-06-1998	McNamara, et al.	
	54	US- 5,802,502	09-01-1998	Gell, et al.	
	55	US- 5,794,219	08-11-1998	Brown	
	56	US- 5,794,207	08-11-1998	Walker, et al.	
	57	US- 5,786,683	07-28-1998	Williams	

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		Number-Kind Code ² (if known)			
	58	US- 5,758,331	05-26-1998	Johnson	
	59	US- 5,758,328	05-26-1998	Giavannoli	
	60	US- 5,727,165	03-10-1998	Ordish, et al.	
	61	US- 5,715,402	02-03-1998	Popolo	
	62	US- 5,696,501	12-09-1997	Ouellette, et al.	
	63	US- 5,664,115	09-02-1997	Fraser	
	64	US- 5,621,654	04-15-1997	Cohen, et al.	
	65	US- 5,598,349	01-28-1997	Elliason, et al.	
	66	US- 5,432,710	07-11-1995	Ishimaru, et al.	
	67	US- 5,394,324	02-28-1995	Clearwater	
	68	US- 5,274,571	12-28-1993	Hesse, et al.	
	69	US- 5,136,501	08-04-1992	Silverman, et al.	
	70	US- 5,077,665	12-31-1991	Silverman, et al.	
	71	US- 4,903,201	02-20-1990	Wagner	
	72	US- 4,862,493	08-29-1989	Venkataraman	
	73	US- 4,817,131	03-28-1989	Thornborough, et al.	
	74	US- 4,811,011	03-07-1989	Sollinger	
	75	US- 4,789,928	12-06-1988	Fujisaki	
	76	US- 4,674,044	06-16-1987	Kalmus, et al.	

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	77	US- 4,568,934	02-04-1986	Allgood	
	78	US- 4,415,896	11-15-1983	Allgood	
	79	US- 4,412,287	10-25-1983	Braddock	
	80	US- 4,254,472	03-03-1981	Juengel, et al.	
	81	US- 3,740,572	06-19-1973	Cohn	
	82	US- 3,683,161	08-08-1972	Stadlin	
	83	US- 3,581,072	05-25-1971	Nymeyer	
	84	US- 3,573,747	04-06-1971	Adams, et al.	
	85	US- 2,841,331	07-01-1958	Starr, et al.	
	86	US- 2007/0271173 A1	11-22-2007	Johnson, et al.	
	87	US- 2003/0033238 A1	02-13-2003	Oskielunas, et al.	
	88	US- 2002/0038279 A1	03-28-2002	Samuelson, et al.	
	89	US- 2001/0034688 A1	10-25-2001	Annunziata	
	90	US- 2001/0032197 A1	10-18-2001	Chandra, et al.	
	91	US- 60/143,846	07-15-1999	Sick, et al. (on PAIR system)	
		US-			
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Sheet	6	of	6

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	92	USPTO Office Action mailed 02/24/2009 in connection with Application Serial No. 11/890,044 filed on 08/03/2007	
	93	USPTO Office Action mailed 06/27/2008 in connection with Application Serial No. 10/062,798 filed on 01/31/2002 (now abandoned)	
	94	Petition to Make Special Under 37 CFR Section 1.102d filed at USPTO on 07/17/2003 in connection with Application Serial No. 10/062,798 filed on 01/31/2002 (now abandoned)	

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